



Department of Mechanical Engineering
Indian Institute of Technology Indore

Advertisement for Junior Research Fellow (JRF)

Applications are invited from motivated and eligible candidates for a Junior Research Fellow (JRF) position in the research project supported by Aeronautical R&D Board (ARDB), DRDO, vide Govt. of India, Ministry of Defence. The details of the project are given below:

Name of Post	Junior Research Fellow (JRF)
No. of post	One (01)
Title of The Project	Experimental investigations on enhancing the fatigue strength, wear and corrosion properties of DMLS-produced Ti6Al4V alloy using hot isostatic pressing, secondary heat treatment and laser nitriding.
Principal Investigator	Dr. Girish Verma, Assistant Professor Mechanical Engineering, IIT Indore
Co-Principal Investigator	Dr. Indrasen Singh, Associate Professor Mechanical Engineering, IIT Indore
Tenure of Project	Maximum 2.0 years or till end of the project, whichever is earlier.
Job Description	Candidate needs to perform stress-controlled fatigue experiments on Ti-alloy. It is also required to perform fracture experiments on UTM and high strain rate testing using split-Hopkinson pressure bar (SHPB) setup. Responsibilities include research analysis and scientific journal publication.
Essential Qualification	M. Tech. in Mechanical Engineering/Aerospace Engineering/Materials Engineering or equivalent (with first division as defined by the awarding Institute / University).
Desirable Qualification	Candidate needs to have good knowledge of mechanical characterization of materials, mechanical behavior of materials, fatigue and fracture.
Age Limit	Preferably below 40 Years
Salary	Rs. 37,000/- pm+ HRA (as per institute norms)
Last Date & Time	Interested candidates are requested to apply for the position through Google form: https://forms.gle/TxSPhsvSkkb4WGYe6 ☐ The last date for submitting the application form is July 25, 2026 . ☐ The CV should include details of academic grades starting from 10th standard onwards with details of the year of passing, institute/university/college, etc., and work experience and nature of work if applicable. ☐ Incomplete applications will be rejected. ☐ For any technical problem with submitting the application please write to indrasen@iiti.ac.in
Only shortlisted candidates will be informed about the date of the interview by email. The appointment is purely temporary and may co-terminus with the project. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. Google meet link will be shared only with the shortlisted candidates before the date of the interview. Interview Date: Would be communicated by 26th July 2026	